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Application No. 10/762,669

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) A photoconductive imaging member comprised of a photogenerating layer and a charge transport layer, and wherein the charge transport layer contains a polymeric solid acid, and wherein said polymeric acid is of the formula

wherein x_1 , x_2 , x_3 and x_4 represent the molar percentage of each component in the polymer, and wherein the sum of x_1 , x_2 , x_3 and x_4 is equal to 1.

- (Original) A photoconductive imaging member in accordance with claim 1 and wherein said polymeric solid acid is a copolymer present in an amount of from about 0.0001 to about 20 percent by weight.
- (Original) A photoconductive imaging member in accordance with claim 1 and wherein said polymeric acid is a copolymer present in an amount of from about 0.01 to about 20 percent by weight.
- 4. (Original) A photoconductive imaging member in accordance with claim 1 and wherein said polymeric acid is present in an amount of from about 0.04 to about 10 percent by weight.

- 5. (Original) A photoconductive imaging member in accordance with claim 1 and wherein said polymeric acid is present in an amount of from about 0.1 to about 5 percent by weight.
- 6. (Original) A photoconductive imaging member in accordance with claim 1 wherein said polymeric acid possesses a weight average molecular weight of from about 500 to about 100,000.
- 7. (Original) A photoconductive imaging member in accordance with claim 1 wherein said polymeric acid possesses a weight average molecular weight of from about 1,000 to about 50,000.
- 8. (Original) A photoconductive imaging member in accordance with claim 1 wherein said polymeric acid is a copolymer that possesses a number average molecular weight of from about 300 to about 90,000.
- 9. (Original) A photoconductive imaging member in accordance with claim 1 wherein said polymeric acid is a copolymer that possesses a number average molecular weight of from about 800 to about 40,000.
- 10. (Original) A photoconductive imaging member in accordance with claim 1 wherein said polymeric acid possesses a weight average molecular weight of from about 1,000 to about 50,000 and a number average molecular weight of form about 800 to about 40,000.

11. Cancelled

12. (Original) A photoconductive imaging member in accordance with claim 1 wherein said polymeric acid is of the formula

wherein x_1 , x_2 , and x_3 represent the molar percentage of each component in the polymer, and the sum of x_1 , x_2 , and x_3 is equal to 1.

13. Cancelled

- A photoconductive imaging 14. (Currently Amended) member in accordance with claim 1 wherein said polymeric acid is a copolymer of poly(ethylene-co-acrylic acid), poly(ethylene-co-methacrylic poly(1,6-hexanedio/neopentyl glycol-alt-adipic acid), poly(3acid). hydroxybutyric acid), poly(3-hydroxybutyric-co-3-hydroxyvaleic acid), poly(4hydroxy benzoic acid-co-ethylene terephthalate), poly(methyl-methacrylate-comethacrylic acid), poly(methyl vinyl ether-alt-maleic acid), poly(styrene-comaleic acid) ester, poly(vinyl chloride-co-vinyl acetate-co-maleic acid) (VMCH[®]), or poly(vinyl chloride-co-vinyl acetate-co-2-hydroxypropyl acrylateco-maleic acid).
- 15. (Original) A photoconductive imaging member in accordance with claim 1 wherein the member further contains a hole blocking layer and an optional adhesive layer.

- 16. (Original) An imaging member in accordance with claim 15 wherein said hole blocking layer is a tetrakis[methylene(3,5-di-tert-butyl-4-hydroxy hydrocinnamate)]methane.
- 17. (Original) An imaging member in accordance with claim15 wherein the hole blocking layer is a hydrolyzed amino silane.
- 18. **(Original)** An imaging member in accordance with **claim 15** wherein said hole blocking layer contains 4,4'-sulfonyldiphenol, 4,4'isopropylidenediphenol, 4,4'-ethylidenebisphenol, bis(4hydroxyphenyl)methane, 4,4'-(1,3-phenylenediisopropylidene) bisphenol, 4,4'(1,4-phenylenediisopropylidene) bisphenol, 4,4'-cyclohexylidenebisphenol,
 4,4'-(hexafluoroisopropylidene) diphenol, 1,3-benzenediol, or 1,4-benzenediol.
- 19. (Original) An imaging member in accordance with claim
 15 wherein said hole blocking layer contains from about 1 to about 99 weight
 percent of a first phenolic resin and from about 99 to about 1 weight percent
 of a second phenolic resin, and wherein the total thereof is about 100 percent.
- 20. (Original) An imaging member in accordance with claim 15 wherein said hole blocking layer is of a thickness of about 0.01 to about 10 microns.
- 21. (Original) A photoconductive imaging member in accordance with claim 1 comprised in the following sequence of a supporting substrate, a hole blocking layer, an optional adhesive layer, said photogenerating layer, and said charge transport layer, and wherein the charge transport layer is a hole transport layer.

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- 22. (Original) A photoconductive imaging member in accordance with claim 21 wherein the adhesive layer is present and is comprised of a polyester with an M_w of about 45,000 to about 75,000, and an M_n of from about 30,000 about 40,000.
- 23. (Original) A photoconductive imaging member in accordance with claim 1 further containing a supporting substrate comprised of a conductive metal substrate of aluminum, aluminized polyethylene terephthalate or titanized polyethylene terephthalate.
- 24. (Original) A photoconductive imaging member in accordance with claim 1 wherein said photogenerator layer is of a thickness of from about 0.05 to about 10 microns, and wherein said transport layer is of a thickness of from about 20 to about 75 microns.
- 25. (Original) A photoconductive imaging member in accordance with claim 1 wherein said photogenerating layer is comprised of a photogenerating pigment or photogenerating pigments dispersed in a resinous binder, and wherein said pigment or pigments are present in an amount of from about 5 percent by weight to about 95 percent by weight, and optionally wherein the resinous binder is selected from the group comprised of vinyl chloride/vinyl acetate copolymers, polyesters, polyvinyl butyrals, polycarbonates, polystyrene-b-polyvinyl pyridine, and polyvinyl formals.

26. (Original) A photoconductive imaging member in accordance with claim 1 wherein the charge transport layer comprises hole transport anyl amines, and which anyl amines are of the formula

wherein X is selected from the group consisting of alkyl, alkoxy, and halogen.

- 27. (Original) An imaging member in accordance with claim 26 wherein the aryl amine is *N,N'*-diphenyl-*N,N*-bis(3-methyl phenyl)-1,1'-biphenyl-4,4'-diamine.
- 28. (Original) A photoconductive imaging member in accordance with claim 1 wherein the photogenerating layer is comprised of metal phthalocyanines, or metal free phthalocyanines.
- 29. (Original) A photoconductive imaging member in accordance with claim 1 wherein the photogenerating layer is comprised of titanyl phthalocyanines, perylenes, or hydroxygallium phthalocyanines.
- 30. (Original) A photoconductive imaging member in accordance with claim 1 wherein the photogenerating layer is comprised of Type V hydroxygallium phthalocyanine.
- 31. (Original) A method which comprises generating an image on the imaging member of claim 1, developing the latent image, and transferring the developed image to a suitable substrate.

32. (Currently Amended) A member comprised of a supporting substrate a photogenerating layer, and a charge transport layer, and wherein the charge transport layer contains a copolymeric solid acid, and wherein said copolymeric solid acid is of the formula

wherein x_1 , x_2 , x_3 and x_4 represent the molar percentage of each component in the polymer, and wherein the sum of x_1 , x_2 , x_3 and x_4 is equal to 1.

- 33. (Currently Amended) A photoconductive imaging member comprised of a supporting substrate, an optional hole blocking layer, a photogenerating layer, and a charge transport layer, and wherein the charge transport layer contains a polymeric solid acid of poly(ethylene-co-acrylic acid), poly(ethylene-co-methacrylic acid), poly(1,6-hexanedio/neopentyl glycolalt-adipic acid), poly(3-hydroxybutyric acid), poly(3-hydroxybutyric-co-3-hydroxyvaleic acid), poly(4-hydroxy benzoic acid-co-ethylene terephthalate), poly(methyl methacrylate co-methacrylic-acid), poly(methyl vinyl ether-alt-maleic acid), poly(styrene-co-maleic acid) ester, poly(vinyl chloride-co-vinyl acetate-co-maleic acid).
- 34. (Currently Amended) An imaging member in accordance with elaim 11 claim 1 wherein x is about 0.81, x_2 is about 0.04, x_3 is about 0.15, and x_4 is about 0.0028.

- 35. (Original) An imaging member in accordance with claim 33 wherein said blocking layer is present, and wherein said member further includes an adhesive layer.
- 36. (Original) A photoconductive imaging member in accordance with claim 1 further including a rigid substrate.
- 37. (Original) A photoconductive imaging member in accordance with claim 1 further including a supporting drum substrate.
- 38. (Original) A photoconductive imaging member in accordance with claim 1 further including a supporting web substrate.
- 39. (Currently Amended) An imaging member in accordance with elaim 11 claim 1 wherein x_1 is from about 0.1 to about 0.8, x_2 is from about 0.05 to about 0.3, x_3 is from about 0.1 to about 0.4, and y is from about 0.01 to about 0.4 providing that the sum of x_1 , x_2 , x_3 , and x_4 is equal to 1.
- 40. (Original) An imaging member in accordance with claim 12 wherein x₁, x₂, and x₃ are each from about 0.1 to about 0.9.
- 41. (Original) An imaging member in accordance with claim
 12 wherein x₁, x₂, and x₃ are each from about 0.05 to about 0.7.
- 42. (Currently Amended) An imaging member in accordance with elaim 13 claim 12 wherein x_1 and x_2 are each from about 0.1 to about 0.8.

43. (New) An imaging member in accordance with claim 1 wherein said polymeric acid is of the formula

44. (New) A photoconductive imaging member comprised in sequence of a supporting substrate, a photogenerating layer, and thereover a charge transport layer, and wherein the transport layer contains a polymeric solid acid of the formula

wherein x_1 , x_2 , x_3 and x_4 represent the molar percentage of each component in the polymer, and wherein the sum of x_1 , x_2 , x_3 and x_4 is equal to about 1.